In the Claims

Please amend claim 6 as indicated below and add new claims 21-24. This listing of claims replaces all prior versions.

1-5. (canceled)

6. (currently amended) A method of manufacturing a semiconductor device which comprises a first semiconductor region of a first conductivity type with a first connection conductor forming a collector region of a bipolar transistor, a second semiconductor region of a second conductivity type opposed to the first conductivity type with a second connection conductor forming a base region of the transistor, and a third semiconductor region of the first conductivity type with a third connection conductor forming an emitter region of the transistor; said method comprising:

forming the first semiconductor region of the first conductivity type;

forming the second semiconductor region on the first semiconductor region, the second semiconductor region having a partial region with a smaller flux of dopant atoms than another part of the second semiconductor region;

forming the third semiconductor region which lies recessed in the other part, and outside the partial region, of the second semiconductor region; and

providing first, second and third connection conductors to the first, second and third regions with a connection conductor respectively, wherein the second conductor is exclusively connected to the second semiconductor region and is adjacent to adjoins the partial region of the second semiconductor region.

- 7. (previously presented) A method as claimed in claim 6, characterized in that the partial region of the second semiconductor region is formed below the second connection conductor and is given a smaller thickness and a lower doping concentration than those in the other region.
- 8. (previously presented) A method as claimed in claim 6, characterized in that the partial region of the second semiconductor region is given a smaller thickness than that in the other region.

9. (previously presented) A method as claimed in claim 6, characterized in that the partial region of the second semiconductor region is formed by means of ion implantation.

10-20. (canceled)

- 21. (new) The method of claim 6, wherein the second semiconductor region is above the first semiconductor region and wherein the first connection conductor adjoins a bottom side of the first region opposing the second semiconductor region.
- 22. (new) The method of claim 6, wherein forming the second semiconductor region includes forming the partial region of the second semiconductor region having a doping concentration at least five to ten times lower than the doping concentration of the other part of the second semiconductor region.
- 23. (new) The method of claim 6, wherein forming the second semiconductor region includes forming the partial region of the second semiconductor region having a thickness at least as thin as half the thickness of the other part of the second semiconductor region.
- 24. (new) The method of claim 6, further including forming a fourth semiconductor region of the second conductivity type in the partial region of the second semiconductor region wherein the fourth semiconductor region makes contact with the second connection conductor.